

AUTHOR INDEX

- Abeln, D. 245
Al-Masoudi, N.A.L. 273
Alvarez, S. 257
- Bassily, R.W. 197
Berova, N. 11
Blaskó, A. 185
Bunel, S. 185
Bunton, C.A. 185
Bystricky, S. 1
- Cai, M.-S. 267
Calvo, V. 185
Carpenter, T.A. 249
Cashmore, G.C. 107
Chai, W. 107
Chan, P.C.M. 155
Compston, C.A. 167
Condon, C. 167
Coxon, B. 85
Crout, D.H.G. 305
- De Pinto, G.L. 257
- El-Sokkary, R.I. 197
El Khadem, H.S. 85
Esko, J.D. 285
- Fatiadi, A.J. 85
Fayet, C. 177
Ferrier, R.J. 143
Franck, R.W. 71
French, A.D. 51
- Gelas, J. 177
Gómez-Guillén, M. 279
Grönberg, G. 35
Gruter, M. 209
Gurjar, M.K. 297
Györgydeák, Z. 95
- Hall, D.W. 143
Hall, L.D. 249
- Hanna, H.R. 167
Hanrahan, J.R. 305
He, D.-Y. 267
Herrod, N.J. 249
Hirsch, J. 1
Holmbeck, S. 239
Honek, J.F. 155
Hutchinson, D.W. 305
Hyatt, J.A. 291
- Ibarra, C. 185
Ikemoto, N. 11
- Jiang, H. 309
- Kaila, N. 71
Kamerling, J.P. 209
Kameyama, N. 329
Kim, O.K. 11
Koh, L.L. 309
Kojima, H. 227
Köll, P. 95, 245
Kopf, J. 245
Kováč, P. 61
Kováč, V. 61
Kovács, J. 95, 245
Krotkiewski, H. 35
Kuiper, J. 209
Kuszmán, J. 117
- Lajoie, G. 155
Lawson, A.M. 107
Leal, E. 257
Lee, C.-K. 309
Lee, H.K. 61
Leefflang, B.R. 209
Lehmann, J. 133, 317
Lerner, L. 239
Li, Z.-J. 267
Lisowska, E. 35
Lo, L.-C. 11
Lugemwa, F.N. 285

MacLean, L.L. 325
Mainkar, P.S. 297
Martínez, M. 257
Mazid, M.A. 167
Moraga, E. 185
Moritz, A. 317
Muraki, E. 227

Nakajima, T. 329
Nakanishi, K. 11
Nambiar, P.T.C. 155
Nashed, M.A. 197
Nematalla, A.S. 197
Newton, S.Q. 51
Nilsson, B. 35
Nilsson, G. 35

Párkányi, L. 117
Perry, M.B. 325
Petersen, P.M. 143
Petry, S. 133
Pintér, I. 95
Podányi, B. 117
Potter, K. 249

Rojas, A. 257

Saga, K.-I. 329
Salleh, H.M. 155
Schäfer, L. 51
Shalaby, M.A. 85
Silwanis, B.A. 197
Simon, J.M.L. 279
Stevens, E.S. 1
Stoll, M.S. 107

Tachikawa, T. 329
Tooma, N.J. 273
Tóth, G. 95

Vliegenthart, J.F.G. 209

Ward, O.P. 155
Whitfield, C. 325

Xu, Y. 309

Yaku, F. 227
Yazawa, S. 329

Zhou, P. 155

SUBJECT INDEX

- Acetals, functionalized, and monomers for polymerization, reaction of mono- and oligosaccharides with keto or ethylenic enol ethers as a route to, 177
- Acetolysis of 2,4-*O*-benzylidene-D-xylo-hex-5-enitol derivatives, 117
- (1 → 3)- α -N-Acetyl-D-galactosaminyltransferase, rapid production of a panel of blood group A-active oligosaccharides using chemically synthesized di- and tri-saccharide primers and an easily prepared porcine, 167
- α -D-Aldopyranosylamines, studies of the synthesis of 1,2-*cis*-(cyclic carbamates) of, 95
- Alginate, visualisation of the geometries of objects fabricated from calcium, using magnetic resonance imaging, 249
- 6-*O*-Allylhexopyranoside derivatives, chemical interaction between the aglycon and the allyl group of, 143
- 3-Amino-3-deoxy-5-thio-D-allose and 3-amino-3-deoxy-1,2-*O*:5,6-*S*,*O*-di-isopropylidene-5-thio- α -D-glucofuranose, synthesis of, 273
- Analysis of the structure of small oligosaccharides of glycoproteins, an improved approach to the, 35
- Anomeric effects, overlapping, in a sucrose analogue, 51
- Antigenic polysaccharide from *Klebsiella pneumoniae* O:9 lipopolysaccharide, characterization, 325
- Aureolic acid, synthesis of the C'D' disaccharide of aureolic acid, 71
- 2-Azi-2-deoxy-D-*arabino*-hexitol and analogous hexitols, photolysis and effectiveness as photoaffinity labels, 133
- p*-Benzoquinone as precursor for the synthesis of modified D- and L-hexoses: Preparation of 2-acetamido-2,4-dideoxy-D- and L-xylo-hexopyranose, 317
- 2,4-*O*-Benzylidene-D-xylo-hex-5-enitol derivatives, acetolysis of, 117
- Blood group A-active oligosaccharides, rapid production of a panel of, using chemically synthesized di- and tri-saccharide primers and an easily prepared porcine (1 → 3)- α -N-acetyl-D-galactosaminyltransferase, 167
- Blood-group A and B enzymes, enzyme-linked immunosorbent assay for, 329
- Capsular polysaccharides of *Klebsiella* type 8, synthesis of an intermediate fragment of the, 267
- Carbamates of α -D-aldopyranosylamines, studies of the synthesis of cyclic, 95
- Carbohydrate diazirines as photoaffinity labels, photolysis of 2-azi-2-deoxy-D-*arabino*-hexitol and analogous hexitols and the ineffectiveness of certain, 133
- Chemical interaction between the aglycon and the allyl group of 6-*O*-allylhexopyranoside derivatives, 143
- Chito-oligosaccharides of dp 6–8, preparation and crystallization, 227
- Circular dichroic spectroscopy: reference spectra for chromophoric D-fructofuranoside derivatives, oligosaccharide microscale analysis by, 11
- Cobalt(III) with D-glucosamine and amines, complexes of, 185
- Crystal and molecular structure of α -D-ribopyranosylamine 1,3-(cyclic carbamate), 245
- 6-Deoxy-D-(6-²H)glucopyranose, a simple synthesis of, 305
- Desulfation, acetylative, of a glucose-6-sulfate: An oxygen isotope labelling study, 291
- Di- and tri-saccharide segments of a lipo-oligosaccharide of *Mycobacterium szulgai*, syntheses of, 297
- 1,3-Dideoxy-3-fluoronojirimycin, synthesis of, 309
- C'D' Disaccharide of aureolic acid, synthesis of, 71

- β -Estradiol β -D-xylopyranosides, synthesis, 285
- Exopolysaccharide produced by *Lactobacillus delbrückii* subspecies *bulgaricus* rr grown in skimmed milk, structural characterisation, 209
- D-Fructofuranoside derivatives, oligosaccharide microscale analysis by circular dichroic spectroscopy: reference spectra for chromophoric, 11
- D-(6-²H)Glucopyranose, a simple synthesis of 6-deoxy-, 305
- D-Glucosamine and amines, complexes of cobalt(III) with, 185
- D-Glucosamine oligosaccharides of dp 6-8, preparation and crystallization, 227
- Glycophorin A, application of an improved method of structural analysis of the O-linked oligosaccharides from human, 35
- Glycoprotein oligosaccharides, application of mild periodate oxidation of oligosaccharide-alditols in the analysis of the core-branching pattern of O-linked, 107
- Glycosidases, effects of 1,5-dideoxy-L-mannitol and -L-rhamnitols on, 155
- Glycosyltransferases synthesizing blood groups A and B, enzyme-linked immunosorbent assay for, 329
- Gum exudate, structural study of *Melicocca bijuga*, 257
- Hex-5-enitol derivatives, acetolysis of 2,4-O-benzylidene-D-xylo-, 117
- Hexoses: Preparation of 2-acetamido-2,4-dideoxy-D- and -L-xylo-hexopyranose, *p*-benzoquinone as precursor for the synthesis of modified D- and L-hexoses: Preparation of, 317
- HPLC, anion-exchange, separation of hyaluronan oligosaccharides by the use of, 239
- Hyaluronan oligosaccharides, separation of, by the use of anion-exchange HPLC, 239
- Immunosorbent assay, enzyme-linked, for blood-group A and B enzymes, 329
- Isotope labelling study, an oxygen: acetylation desulfation of a glucose-6-sulfate, 291
- Klebsiella pneumoniae* O:9 lipopolysaccharide, polysaccharide antigen from, characterization, 325
- Klebsiella* type 8, synthesis of an intermediate fragment of the capsular polysaccharides, 267
- Lactobacillus delbrückii* subspecies *bulgaricus* rr grown in skimmed milk, structural characterisation of the exopolysaccharide produced by, 209
- Lipo-oligosaccharide of *Mycobacterium szulgai*, syntheses of di- and tri-saccharide segments of a, 297
- Lipopolysaccharide of *Klebsiella pneumoniae* O:9, polysaccharide antigen from, characterization, 325
- D-Lyxofuranosylpyrazoles, preparation of 5- and 4-, 279
- Magnetic resonance imaging, visualisation of the geometries of objects fabricated from calcium alginate, using, 249
- L-Mannitol, 1,5-dideoxy-1,5-imino, chemoenzymic synthesis and effect on glycosidases, 155
- Mass spectrometry, enhanced structural information on oligosaccharides by scan of linked magnetic and electrostatic fields (B/E) and neutral gas collision fast-atom-bombardment (FABMS), 61
- Melicocca bijuga* gum exudate, structural study of, 257
- Monomers and functionalized acetals for polymerization, reaction of mono- and oligosaccharides with keto or ethylenic enol ethers as a route to, 177
- Mycobacterium szulgai*, synthesis of di- and tri-saccharide segments of a lipo-oligosaccharide of, 297
- Nojirimycin, synthesis of 1,3-dideoxy-3-fluoro-, 309
- C-Nucleoside, synthesis of 5- and 4-(D-lyxofuranosyl)pyrazoles as examples of a new type of pyrazole, 279
- Oligosaccharide-alditols, specificity of mild periodate oxidation of, and relevance to the analysis of the core-branching pattern of O-linked glycoprotein oligosaccharides, 107
- Oligosaccharide microscale analysis by circular dichroic spectroscopy: reference spectra for chromophoric D-fructofuranoside derivatives, 11
- Oligosaccharides, enhanced structural information on, by scan of linked magnetic and electrostatic fields (B/E) and neutral gas collision fast-atom-bombardment mass spectrometry (FABMS), 61
- Oligosaccharides from human glycophorin A, application of an improved method of structural analysis to the O-linked, 35

- Oligosaccharides, haluronan, separation of, by the use of anion-exchange HPLC, 239
- Oligosaccharides of D-glucosamine, dp 6-8, preparation and crystallization, 227
- Optical rotation, solution conformation of methyl β -xylobioside from, 1
- Osazone formation, the reaction of phenylhydrazine with squaric acid; a model for carbohydrate, 85
- Periodate oxidation of oligosaccharide-alditols, specificity of mild, and relevance to the analysis of the core-branching pattern of O-linked glycoprotein oligosaccharides, 107
- Photolysis of 2-azido-2-deoxy-D-arabino-hexitol and analogous hexitols; the ineffectiveness of certain carbohydrate diazirines as photoaffinity labels, 133
- Polymerization, reaction of mono- and oligosaccharides with keto or ethylenic enol ethers as a route to functionalized acetals and monomers for, 177
- Pyrazoles, preparation of 5- and 4-(D-lyxofuranosyl)-, 279
- Reaction of phenylhydrazine with squaric acid; a model for carbohydrate osazone formation, 85
- L-Rhamnitols, 1,5-dideoxy-1,5-imino, chemoenzymic synthesis and effect on glycosidases, 155
- α -D-Ribopyranosylamine 1,3-(cyclic carbamate) crystal and molecular structure of, 245
- Ring formation by intramolecular cyclisation of the aglycon and the allyl group of 6-O-allylhexopyranoside derivatives, 143
- Solution conformation of methyl β -xylobioside from optical rotation, 1
- Squaric acid; a model for carbohydrate osazone formation, the reaction of phenylhydrazine with, 85
- Structural characterisation of the exopolysaccharide produced by *Lactobacillus delbrückii* subspecies *bulgaricus* rr grown in skimmed milk, 209
- Structural study of *Melicocca bijuga* gum exudate, 257
- Sucrose analogue, overlapping anomeric effects in, 51
- Synthesis of an intermediate fragment of the capsular polysaccharides of *Klebsiella* type 8, 267
- Synthesis of 4-azido-4-deoxy- and 4-amino-4-deoxy- α,α -trehalose and their epimers, an improved, 197
- Synthesis of 6-deoxy-D-(6- 2 H)glucopyranose, a simple, 305
- Synthesis of 1,3-dideoxy-3-fluoronojirimycin, 309
- 5-Thio-D-allose and 3-amino-3-deoxy-1,2-O: 5,6-S,O-di-isopropylidene-5-thio- α -D-glucofuranose, synthesis of 3-amino-3-deoxy-, 273
- Thiosulfonium salts, arylbis(aryl)-, use in the synthesis of disaccharides of, 71
- α,α -Trehalose, an improved synthesis of 4-azido-4-deoxy- and 4-amino-4-deoxy- α,α -trehalose and their epimers, 197
- Visualisation of the geometries of objects fabricated from calcium alginate, using magnetic resonance imaging, 249
- β -Xylobioside from optical rotation, solution conformation of methyl, 1
- β -D-Xylopyranosides of β -estradiol, synthesis, 285

